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10142048-31 ✔ ACTIVE

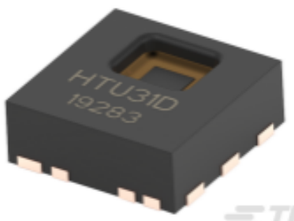
MEAS | MEAS HTU

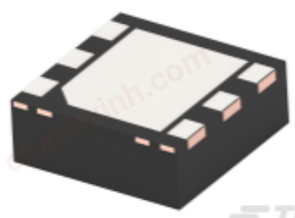
TE Internal #: 10142048-31

TE Internal Description: HTU31V I.C 31V RH/T ANALOG R1500 4kV

View on TE.com >

Sensors > Humidity Sensors > Humidity Sensor Components





Humidity Sensor Component Product Type: **RHT**

Supply Voltage (Peak): **5.5 V**

Current Consumption: **.76 mA**

Humidity Operating Range: **0 – 100 %RH**

Operating Temperature Range: **-40 – 125 °C [-40 – 257 °F]**

Features

Product Type Features

Humidity Sensor Component Product Type	RHT
Humidity Sensor Component Sensor Type	Analog

Electrical Characteristics

Supply Voltage (Peak)	5.5 V
Current Consumption	.76 mA

Usage Conditions

Humidity Operating Range	0 – 100 %RH
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

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HTU31V I.C 31V RH/T ANALOG R1500 4kV

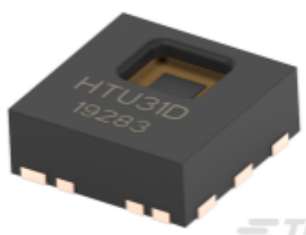
Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked.Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 10142048-30
HTU31V I.C 31V RH/T ANALOG R400 4kV



TE Part # 10142048-32
HTU31V I.C 31V RH/T ANALOG R5000 4kV

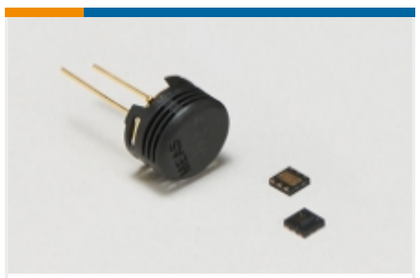
Also in the Series | MEAS HTU



Digital Component Sensors(2)



Humidity Sensor Assemblies(4)



Humidity Sensor Components(21)

Customers Also Bought



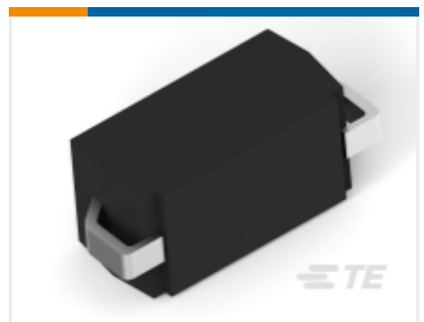
TE Part #5179229-4
0.8FH,R05H.5,100,08/Sn,TU,SC



TE Part #3-640432-2
02P MTA156 CONN ASSY 20AWG YEL



TE Part #1-1879352-7
RR02 5% 1R5 AMMO

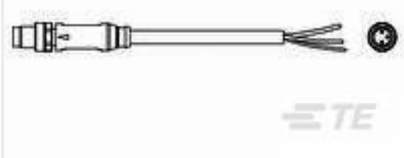


TE Part #2-2176324-1
SMV 3W 4M7 5%

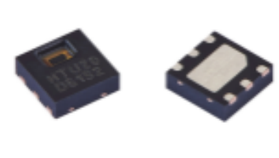
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HTU31V I.C 31V RH/T ANALOG R1500 4kV



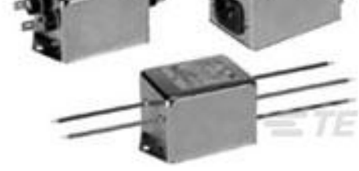
TE Part #2273004-1
M8 x 1.0 straight plug Pigtail Shld



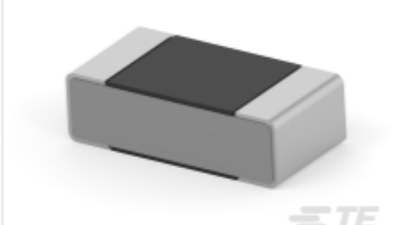
TE Part #HPP845E134
HTU20DF RH/T SENSOR W.FILTER



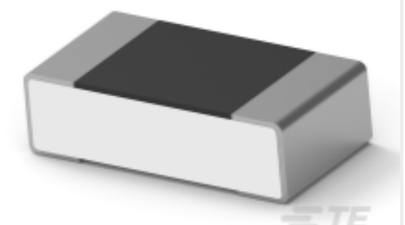
TE Part #2-1734506-9
RCPT, 2.0MM, 12P,VRT MT, 8 Au", 2.6 ST



TE Part #2-6609037-4
7EP1=F8215



TE Part #2176263-6
RN 0402 27K4 0.1% 10PPM 5K RL



TE Part #7-2176366-1
RQ 0603 2K32 0.1% 10PPM 1K RL

Documents

Datasheets & Catalog Pages

HTU31 RHT SENSOR IC Data sheet

English